

103
(Royal Soc)

A
CATALOGUE
OF THE
MACHINES and MODELS
IN THE
REPOSITORIES
OF THE
SOCIETY
FOR THE
ENCOURAGEMENT
OF
ARTS, MANUFACTURES,
AND COMMERCE.

LONDON:
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By W. ADLARD and J. BROWNE, in Fleet-Street.

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C L A S S I.

Machines and Models, subservient to Manufactures.

I. **A** New invented Comb-Pot, by Mr. S. Hayward, for which the society gave him a bounty of thirty guineas; April 13, 1763.

II. A longshed Spinning-Wheel, by Mr. Thomas Perrin; for which he had the first premium of thirty pounds, April 8, 1762.

III. A Spinning-Wheel, by Mr. John Webb; for which he had the first premium of twenty pounds, March 25, 1761.

IV. A Spinning-Wheel, by Mr. Thomas Perrin; for which he had the second premium of twenty pounds, March 25, 1761.

V. A Horizontal Spinning-Wheel, by Mr. William Harrison; for which he had the first premium of fifty guineas, April 11, 1764.

VI. A Spinning-Wheel, by Mr. Perrin; for which he had the second premium of twenty pounds, May 6, 1765.

VII. A Spinning-Wheel, by Mr. Garrat; for which he had thirty pounds, part of the premium of fifty pounds, April 9, 1766.

VIII. A Spinning-Wheel, by Mr. Garrat; for which he had fifteen pounds, part of the second premium of twenty pounds, April 9, 1767.

IX. A Machine for Winding and Doubling Worsted, by Mr. Jeremiah Burrows; for which he had ten pounds, part of the premium of seventy-five pounds, April 17, 1765.

X. A Machine for Winding and Doubling, by Mr. Crager; for which he had ten pounds, part of the premium of seventy-five pounds, April 17, 1765.

XI. A Machine for Winding and Doubling, by Mr. Garrat; for which he had twelve pounds, part of the premium of twenty-five pounds, April 9, 1766.

XII. A Reel for Winding Silk from the Cocoons, by Mr. Verrier; for which he had a bounty of forty pounds, June 14, 1762.

XIII. A Silk Reel, presented to the Society, by John Pownall, Esq;

XIV. A complete Frame and Reel, with a Bafon and Furnace, of the proper size to make Silk, agreeable to the present best method of working in Italy.

XV. A Model of a Loom for Brocades, by Mr. Sebastian Favie; for which he had a bounty of three guineas, October 27, 1761.

XVI. A Stocking Frame, by Mr. Samuel Unwin; for which he had a premium of one hundred pounds, February 14, 1765.

XVII. A Stocking Frame, by Mr. Whyman; for which he had a premium of one hundred pounds, April 16, 1766.

CLASS II.

Models of Mills, Cranes, Machines for raising Water, Carriages, and other Machines and Implements not reducible to any particular Class.

I. **A** Model of a Saw-Mill, by Mr. James Stainsfield; for which the Society gave him one hundred pounds, and ten guineas for his improvement of a Cross-cutting Saw added thereto, December 12, 1765.

N. B. The original Mill, of which this is a model was erected, and worked for five successive years, in consequence of successive premiums offered, and paid by the Society; amounting in the whole to the sum of two hundred and twenty-five pounds.

II. A Hand-Mill, for grinding Corn, by Mr. John Gordon.

III. A Steel-Mill, for grinding Corn, by Mr. Peter Lyon. The premium of fifty pounds was equally divided between these two candidates, January 11, 1758.

IV. A Hand-Mill, by Mr. Samuel Parsons; for which he had a premium of fifty pounds, December 6, 1758.

V. A Hand-Mill, by Mr. Charles Lloyd; for which he had a bounty of fifty pounds, and twenty pounds allowed him for his expences, June 17, 1761.

VI. A Hand-Mill, with improvements, by Mr. William Bailey; made by order of the Society from one brought from

from St. Cas by his royal highness the late duke of York, April 11, 1760.

VII. A Model of a Windmill, by Mr. James Verrier; for which he had a bounty of fifty pounds, December 31, 1761.

VIII. A Model of a Windmill, by Mr. Lewis; for which he had a premium of fifty pounds, October 7, 1761.

IX. A Model of a Machine for raising Water, by Mr. Merryman; for which the Society gave him a silver medal, February 26, 1766.

X. A Model of a Windmill, by Mr. Nichols, April 23, 1760.

XI. A Model of a Windmill for Draining Land; presented to the Society by Mr. Collier, May 31, 1758.

XII. Ditto by ditto; for the same purpose.

XIII. A Trough and Wheel, by ditto; more fully to explain No. XI.

XIV. A Model of a Tidemill, by the Rev. Mr. Gainfborough; for which he had a premium of sixty pounds, June 1, 1761.

XV. A Model of a Tidemill, by the Rev. Mr. Lord; for which he had a bounty of ten guineas, May 21, 1761.

XVI. A Model of a Tidemill, by Mr. Coulthard. This Model was purchased by the Society for twenty pounds, May 12, 1762.

XVII. A Model of a Tidemill, by Mr. Nichols; for which he had a premium of thirty pounds, April 19, 1760.

XVIII. A Model of a Machine for boring auger-holes, by Mr. William Bailey; for which he had a bounty of fifty pounds, April 19, 1760.

XIX. A Model of a Crane, by Mr. Galabine; for which he had a reward of twenty guineas, January 28, 1760.

XX. A Model of a Crane with three powers, by Mr. James Ferguson; for which he had a bounty of fifty pounds, February 25, 1762.

XXI. A Model of a Crane, by Mr. Sanfom; for which he had a bounty of ten guineas, December 18, 1765.

XXII. A Lock, by Mr. Moore, for which he had a bounty of twenty pounds, March 2, 1763.

XXIII. A Model of a Four-wheel Carriage, by Mr. Cotton; for which he had a bounty of twenty guineas, November 13, 1767.

XXIV. A Model of a Four-wheel Carriage, by Mess. Cranefield; for which a bounty of thirty guineas was given, May 20, 1765.

XXV. The Implements used by the Dutch in the Turbot Fishery.

XXVI. A

XXVI. A Model of a Four-wheel Fish Carriage, by Mr. Stephen Boulton; for which he had the first premium of twenty pounds, May 12, 1762.

XXVII. A Model of a Two-wheel Fish Carriage, by ditto; for which he had the first premium of fourteen pounds, May 12, 1762.

XXVIII. A Model of a Two-wheel Fish Carriage, by Mr. Joachim Smith; for which he had the second premium of seven pounds, May 12, 1762.

XXIX. Two Machines (exactly similar to each other) for trying Ships Blocks, made by Mr. William Bailey; under the direction of Mr. Gardener, November 6, 1761.

XXX. A Model of a Machine for raising Water by means of a spiral Tube, by Mr. Wirts; communicated to the Society by Mr. Zeigler; for which Mr. Zeigler had the gold medal of the Society, January 6, 1768.

XXXI. A Model of an Apparatus for saving the lives of men aboard of ships, stranded on a lee shore, by Mr. John Winn; for which he had the silver medal of the Society, February 25, 1767.

XXXII. A Compass and Protractor, by Mr. Aaron Miller; for which he had a bounty of ten guineas, February 11, 1767.

XXXIII. A Model of a Machine for grinding and polishing Glafs by horse, wind, or water; by Mr. Jeremiah Burrows, purchased by the Society for twenty pounds, June 10, 1767. The original, of which this is a model, was kept at work three months, in consequence of the Society's premiums; for which Mr. Burrows had seventy pounds, May 20, 1765.

XXXIV. A Machine for taking Heights and Distances, by Mr. Grant.

XXXV. An expanding Rod for-gauging vessels, by Mr. Efford; for which he had a bounty of twenty guineas, April 22, 1767.

XXXVI. A Pair of Door-Hinges with spiral Springs, by Mr. Delivitz; for which he had a bounty of fifteen pounds, February 3, 1768.

XXXVII. A Model of a Crane, by Mr. Pinchbeck; for which he had a gold medal, June 3, 1767.

XXXVIII. A Model of a Machine presented to the society by Keane Fitzgerald, Esq; May 25, 1768.

XXXIX. A Model of Dr. Hales' Ventilator, presented to the Society by Mr. Thomas Yeomans, Nov. 30, 1768.

XL. A Model of a Machine for making Wheel-Tyre, by Mr. Hunt, for which he had a bounty of ten guineas, June 6, 1769.

XLI. An

XLI. An Instrument for gauging Vessels, by Mr. Efford; for which the Society gave him a bounty of fifteen guineas, June 6, 1769.

CLASS III.

Machines and Models, subservient to Agriculture:

- I. **A** Model of a Machine for drying Madder; presented to the Society by Mr. George Rutt, May 11, 1763.
- II. A Bee-Box; presented to the Society by Charles Whitworth, Esq; Vice President, March 1, 1763.
- III. Two Brabant Scythes, for reaping Corn of different sorts; presented to the Society by William Hanbury, Esq;
- IV. A Model of a Plough for turning up Heath Ground, by Mr. Ringrose;
- V. A Model of a Thistle-cutter, by Mr. Ringrose; for which models he had a bounty of ten guineas, March 16, 1763.
- VI. A Land-Roller; presented to the Society by Mr. Scawen, of Carshalton, Surry, August 5, 1761.
- VII. A Model of a Plough with six Shares and Coulters, by Mr. Robert Gee, May 13, 1767.
- VIII. A Drain-Plough, by Mr. Cuthbert Clarke; for which he had a premium of fifty pounds, October 8, 1766.
- IX. A Drain-Plough with improvements, by ditto; purchased by the Society, June 1, 1767.
- X. A Drain-Plough, by Mr. William Knowles; for which he had a premium of fifty pounds, May 20, 1767.
- XI. A Drill-Plough, by M. De Chateau-vieux.
- XII. A single Cultivator, by ditto.
- XIII. A double ditto, by ditto. These instruments were purchased by order of the Society, October 9, 1765.
- XIV. A Scarrificator; presented to the Society by Mr. John Winn Baker, of Ireland, April 8, 1767.
- XV. A Drill-Plough, by the Rev. Mr. Gainsborough; for which he had a premium of thirty pounds, May 14, 1766.
- XVI. A Drill-Plough, by Mr. Willey; for which he had twenty pounds. The premium of fifty pounds being divided in the above manner between these candidates, May 14, 1766.
- XVII. A Drill-Plough with improvements, by ditto; purchased by the Society, June 24, 1767.
- XVIII. A Horse-Hoe for destroying weeds; invented by the Rev. Mr. Hewit.
- XIX. Ditto, with a Harrow, by ditto.

XX. A

XX. A Machine for winnowing Corn, by Mr. Evers.

XXI. A Machine for dressing Flour, by ditto. These machines were purchased of Mr. Evers, January 14, 1761.

XXII. A Model of a Machine for dressing Wheat and Malt, by Mr. Mackell; for which he had a bounty of fifty pounds.

XXIII. A Cyder-Mill, by Mr. Charles Lloyd.

XXIV. A Cyder-Press, by ditto. These models were purchased of Mr. Lloyd for twenty guineas, March 25, 1761.

XXV. A Machine for eradicating Trees; presented to the Society by Mr. Valtravers.

XXVI. A Machine for slicing Turnips, by Mr. Edgill; for which he had a premium of twenty pounds, December 10, 1766.

XXVII. A Perambulator for measuring Roads, by Mr. Edgworth; for which he had a silver medal, April 8, 1767.

XXVIII. A Model of a Field-Gate, by Mr. Thomas Orm; for which he had a bounty of ten pounds, April 3, 1766.

XXIX. A Trenching-Plow, by Mr. Ducket.

XXX. A Three-Furrow Plough by ditto; for which ploughs he had a bounty of fifty pounds, June 24, 1767.

XXXI. A Model of a Machine for threshing Corn, by Mr. Evers; for which he had a bounty of fifty pounds, February 3, 1768.

XXXII. A Model of a Machine for making close Drills, by Mr. Bestland, for which he had a bounty of ten guineas, February 22, 1769.

XXXIII. A Model of a temporary Barn, presented to the Society by Richard Lovel Edgeworth, Esq;

CLASS IV.

Machines and Implements, subservient to Chemistry.

I. **A** Digger, by Mr. Creagh; for which he had a bounty of thirty guineas, December 1, 1762.

II. A portable Furnace, &c. for trying Experiments in Chemistry, by Dr. Lewis.

XX. A Machine for winnowing Corn, by Mr. Evers.

XXI. A Machine for dressing Flour, by ditto. These machines were purchased of Mr. Evers, January 14, 1761.

XXII. A Model of a Machine for dressing Wheat and Malt, by Mr. Mackell; for which he had a bounty of fifty pounds.

XXIII. A Cyder-Mill, by Mr. Charles Lloyd.

XXIV. A Cyder-Prefs, by ditto. These models were purchased of Mr. Lloyd for twenty guineas, March 25, 1761.

XXV. A Machine for eradicating Trees; presented to the Society by Mr. Valtravers.

XXVI. A Machine for slicing Turnips, by Mr. Edgill; for which he had a premium of twenty pounds, December 10, 1766.

XXVII. A Perambulator for measuring Roads, by Mr. Edgworth; for which he had a silver medal, April 8, 1767.

XXVIII. A Model of a Field-Gate, by Mr. Thomas Orm; for which he had a bounty of ten pounds, April 3, 1766.

XXIX. A Trenching-Plow, by Mr. Duckett.

XXX. A Three-Furrow Plough by ditto; for which ploughs he had a bounty of fifty pounds, June 24, 1767.

XXXI. A Model of a Machine for threshing Corn, by Mr. Evers; for which he had a bounty of fifty pounds, February 3, 1768.

XXXII. A Model of a Machine for making close Drills, by Mr. Bestland, for which he had a bounty of ten guineas, February 22, 1769.

XXXIII. A Model of a temporary Barn, presented to the Society by Richard Lovel Edgeworth, Esq;

CLASS IV.

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I. **A** Digeſter, by Mr. Creagh; for which he had a bounty of thirty guineas, December 1, 1762.

II. A portable Furnace, &c. for trying Experiments in Chemistry, by Dr. Lewis.

